

INITIATOR OF NEW STREAM QUEUE

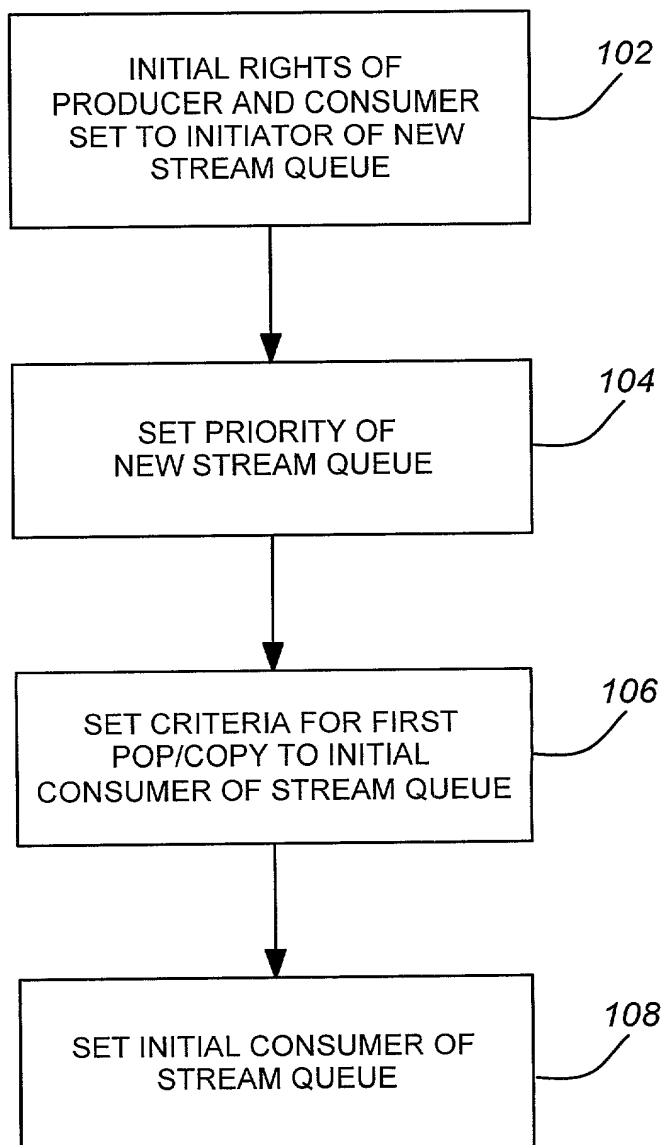


FIG. 1

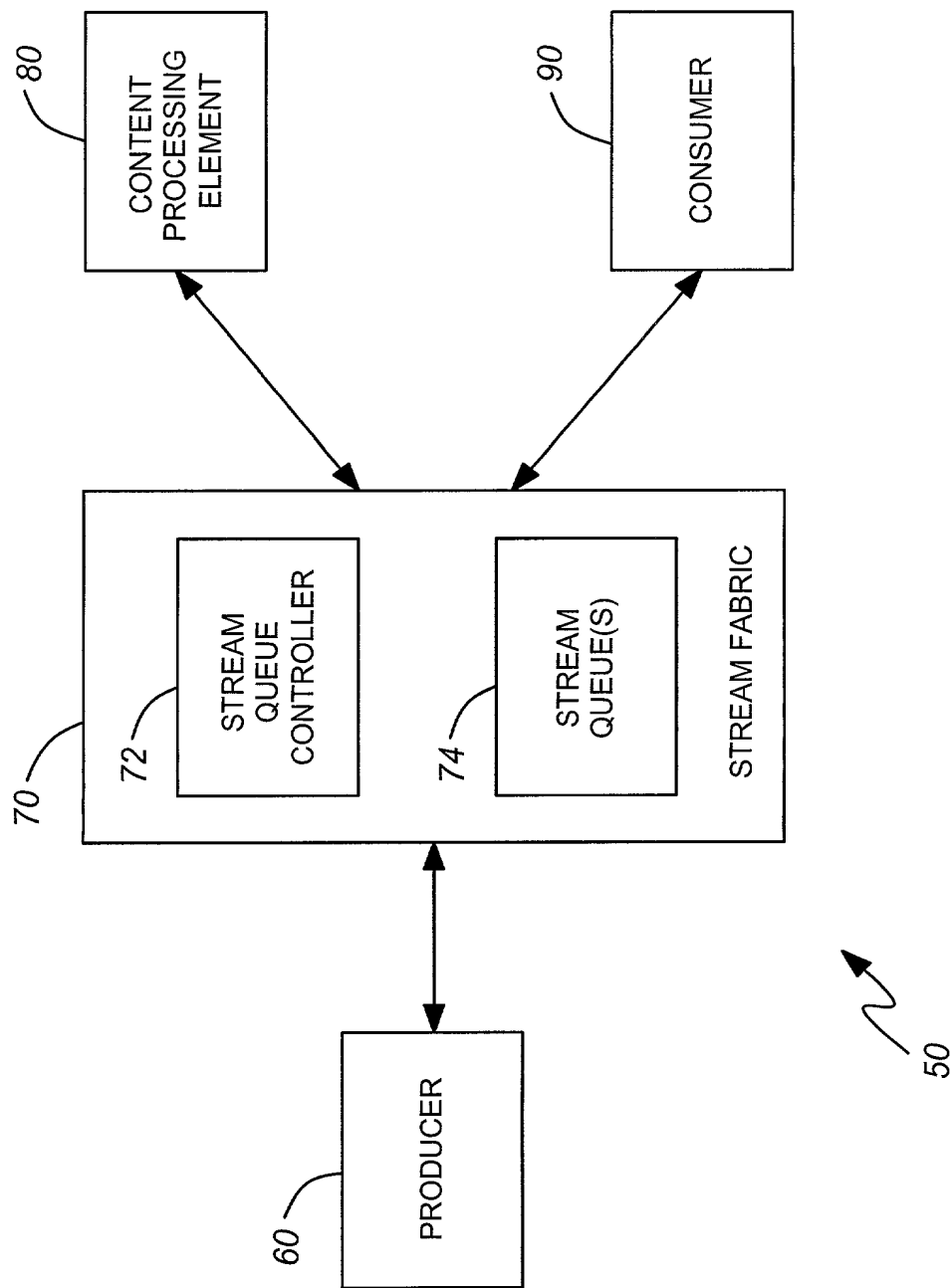


FIG. 2

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graph TD; 200[PRODUCER: PUSH SUBSTREAMS TO A STREAM QUEUE] --> 300[STREAM QUEUE CONTROLLER: COPY PORTION OF STREAM IN STREAM QUEUE TO CONTENT PROCESSING ELEMENT]; 300 --> 400[CONTENT PROCESSING ELEMENT: PROCESS PORTION OF STREAM AND SEND INSTRUCTIONS TO STREAM QUEUE CONTROLLER]; 400 --> 500[STREAM QUEUE CONTROLLER: PERFORM COPY, POP, RESCHEDULE AND/OR TRANSFER ON STREAM QUEUE]; 500 --> 600[CONSUMER: PROCESS STREAM AS REQUIRED];
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The flowchart illustrates a stream processing system with the following components and steps:

- PRODUCER (200):** PUSH SUBSTREAMS TO A STREAM QUEUE
- STREAM QUEUE CONTROLLER (300):** COPY PORTION OF STREAM IN STREAM QUEUE TO CONTENT PROCESSING ELEMENT
- CONTENT PROCESSING ELEMENT (400):** PROCESS PORTION OF STREAM AND SEND INSTRUCTIONS TO STREAM QUEUE CONTROLLER
- STREAM QUEUE CONTROLLER (500):** PERFORM COPY, POP, RESCHEDULE AND/OR TRANSFER ON STREAM QUEUE
- CONSUMER (600):** PROCESS STREAM AS REQUIRED

FIG. 3

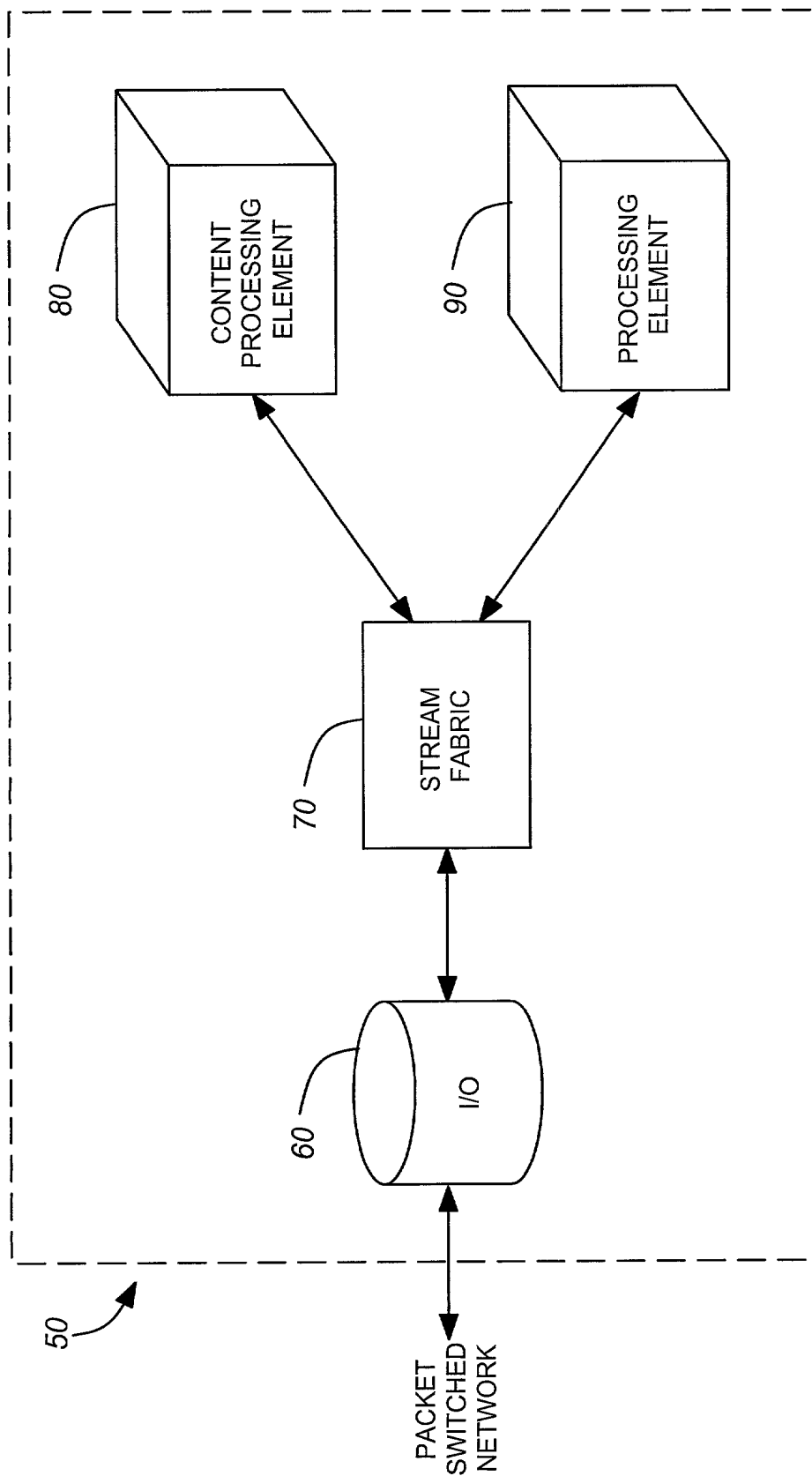


FIG. 4

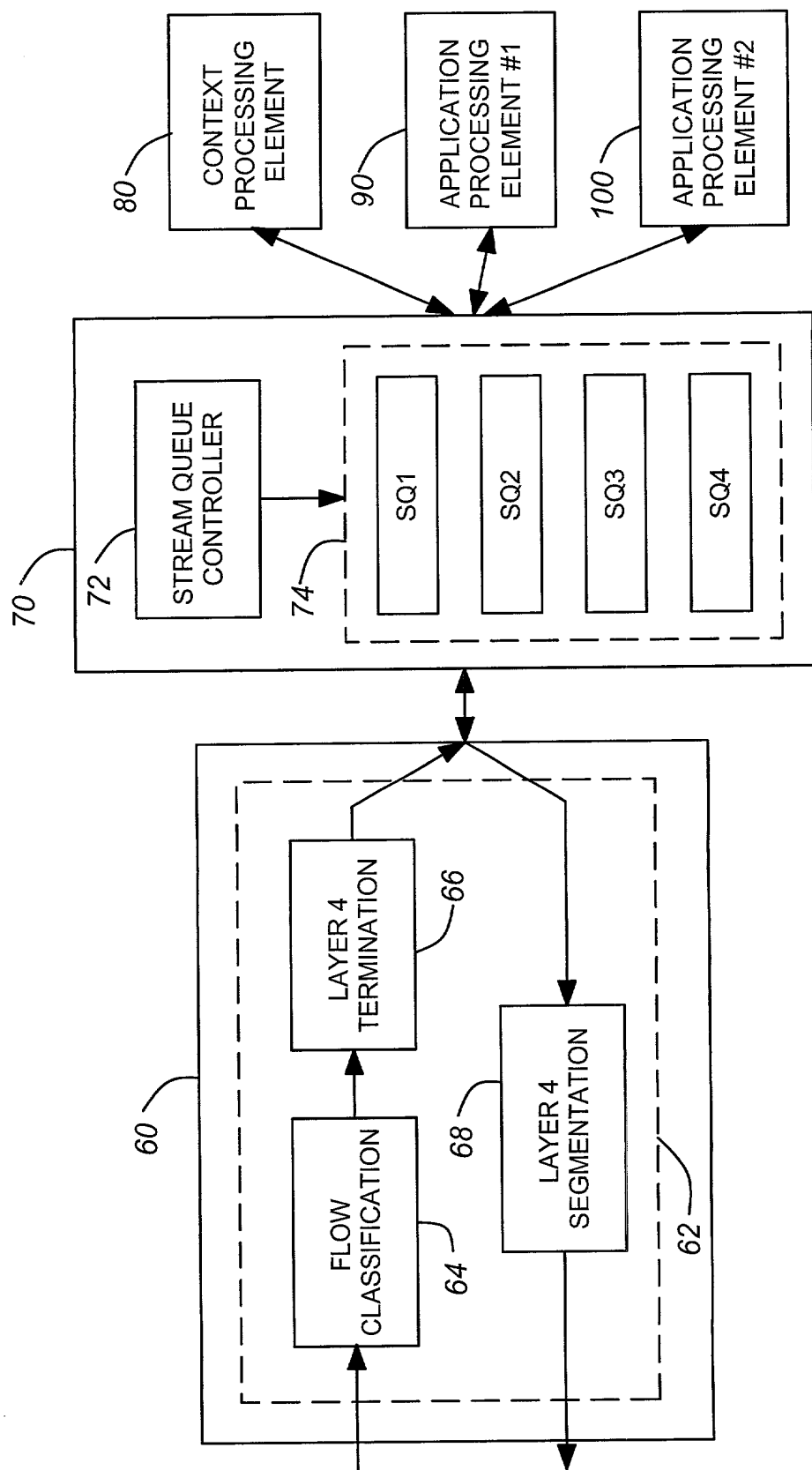


FIG. 6

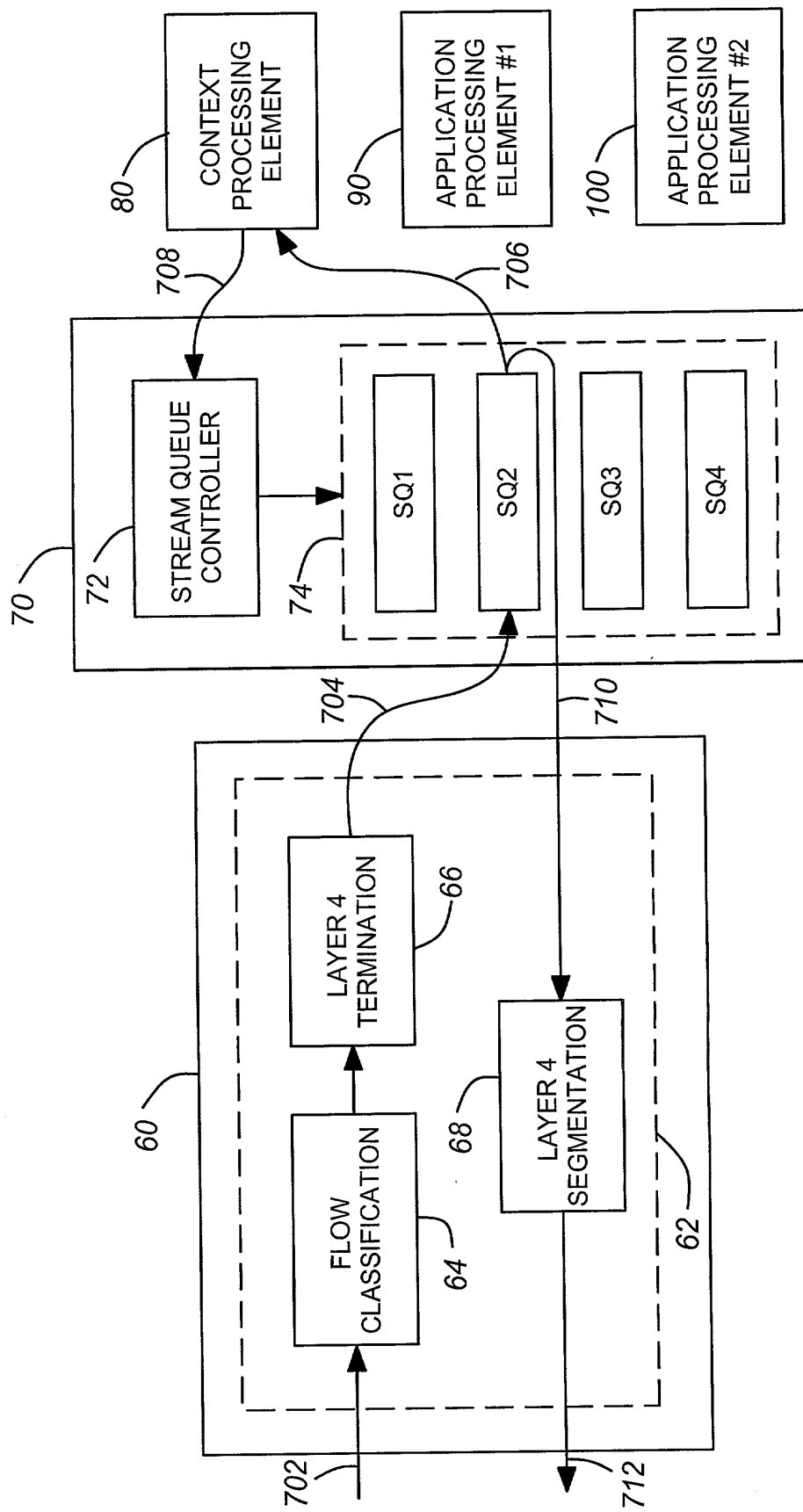


FIG. 7

I/O AS PRODUCER

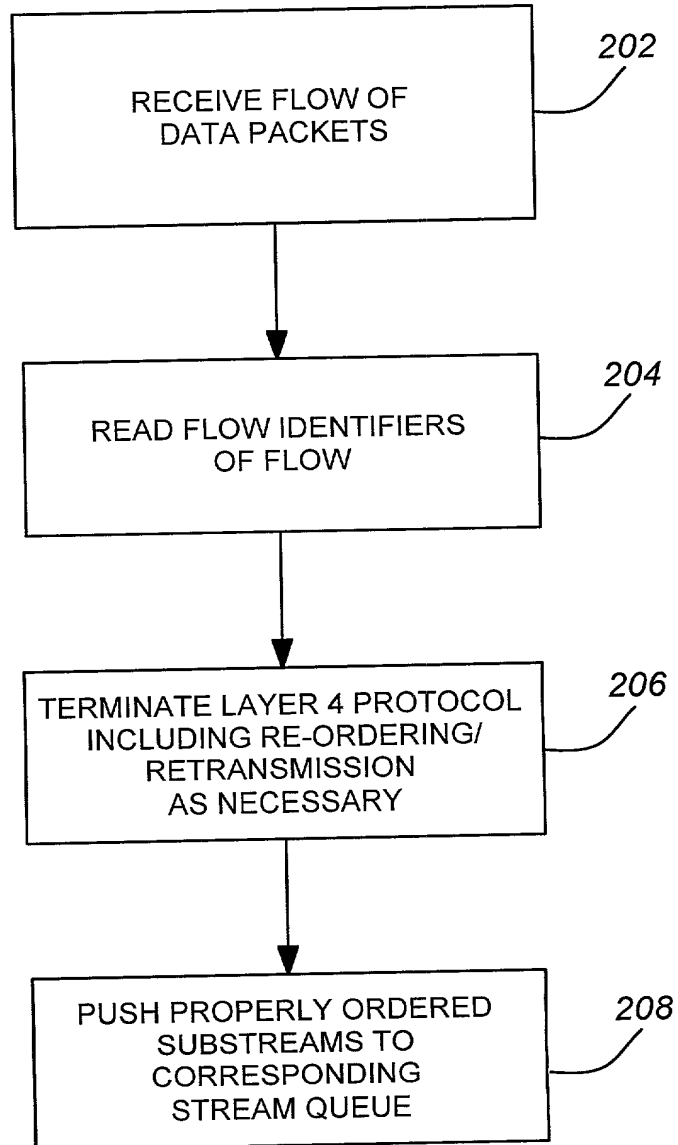


FIG. 8

[illegible]

I/O AS CONSUMER

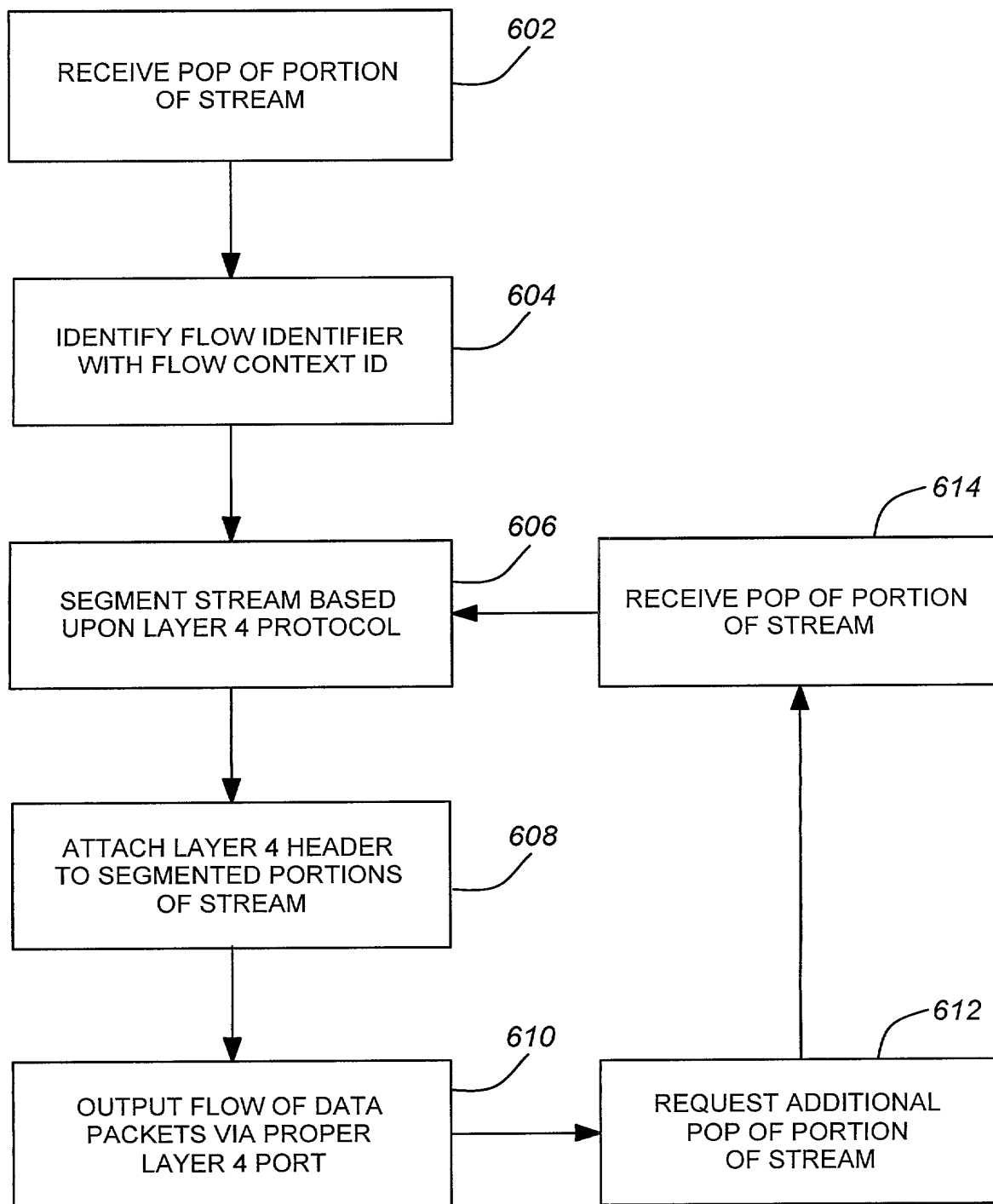


FIG. 10

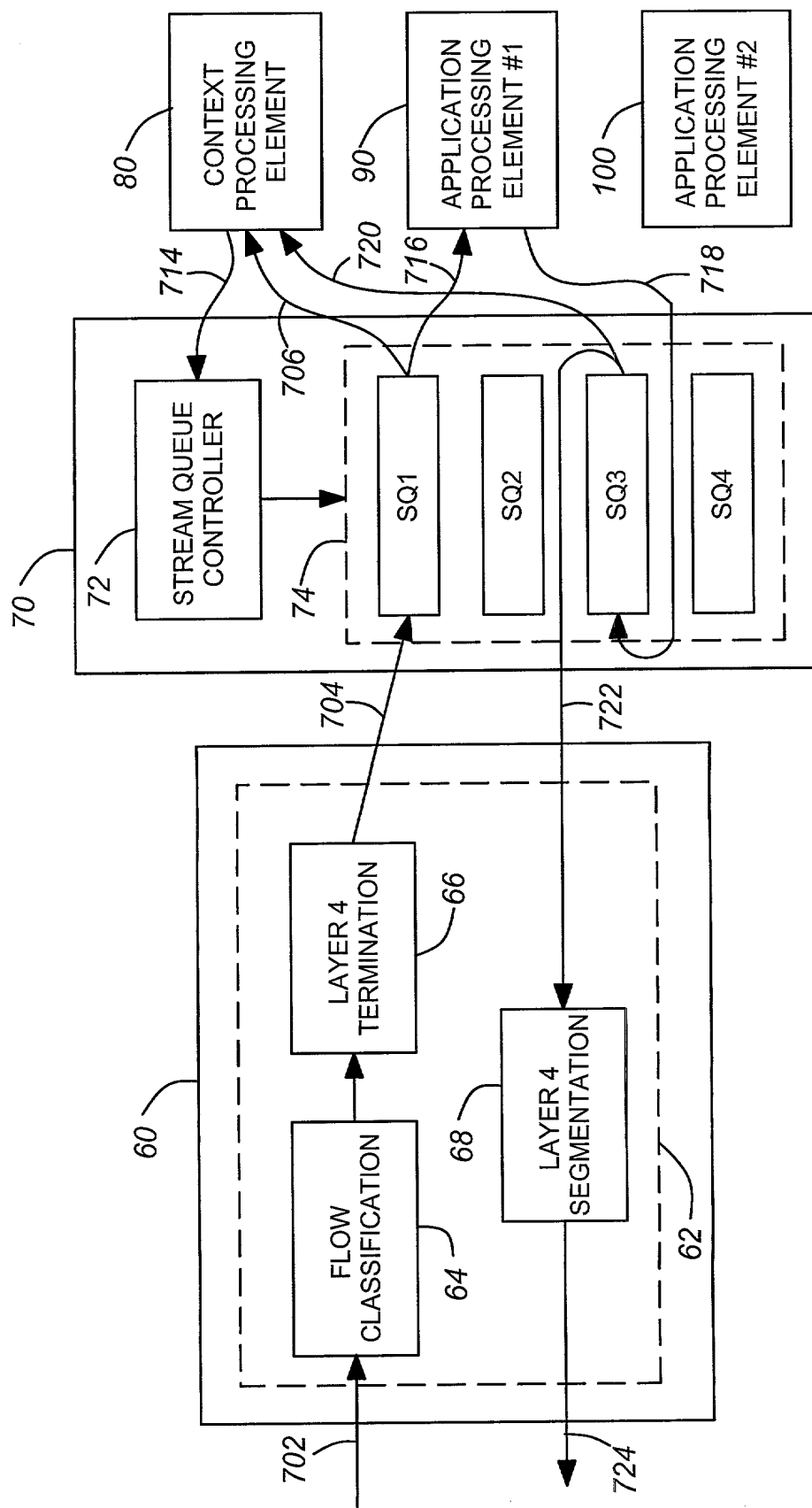


FIG. 11

DECRYPTION PROCESSING ELEMENT

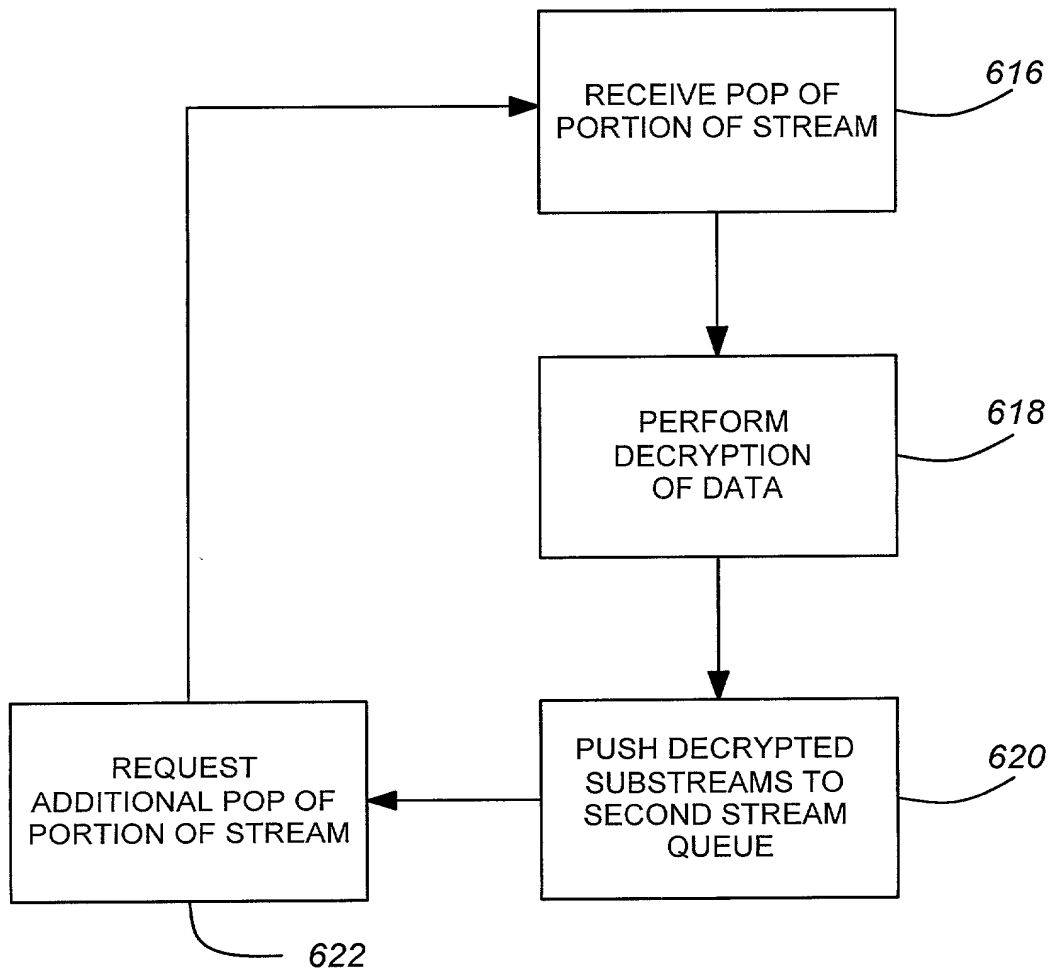


FIG. 12

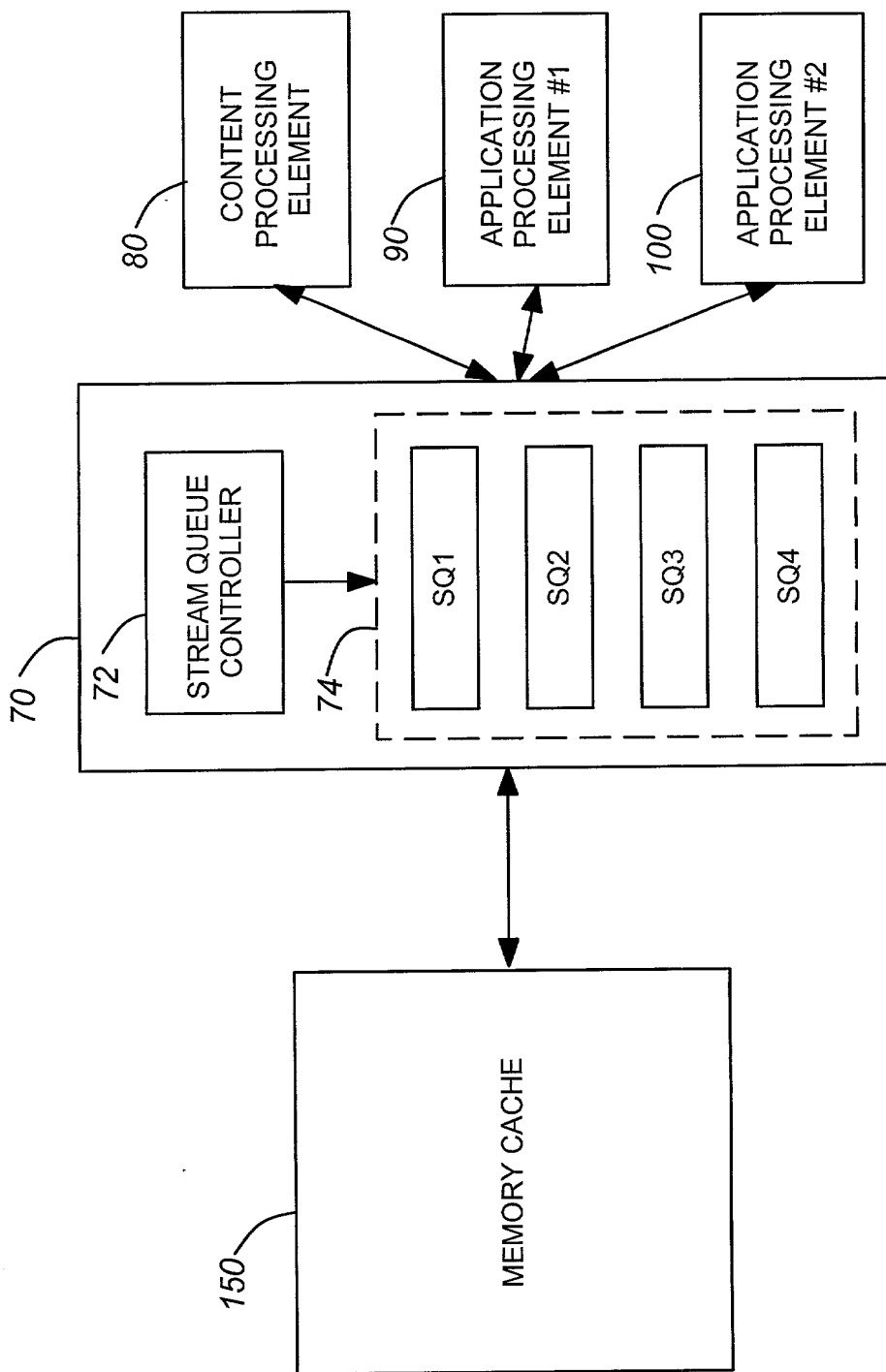


FIG. 13